

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Canceled)
2. (Canceled)
3. (Previously Presented) Drill to extract roots of teeth comprising:  
a shaft having a head which is provided with means for a rotatably connecting mounting in a drill device,  
a boring drill part formed as a drill tool and including at least one helical groove,  
a pin projection arranged at a forward end of the drill part, the pin projection having a smaller diameter than the drill part and being approximately cylindrical, an abrasive material being arranged on the pin projection including at its tip, the pin projection including at least one helical groove extending to the at least one groove on the drill part, and  
a taper arranged at a transition between the drill part and the pin projection.
4. (Previously Presented) Drill according to claim 3, wherein the pin projection has a length of between 5 and 8 mm and a diameter of 1.3 to 1.6 mm.

5. (Previously Presented) Drill according to claim 3, wherein the pin projection has a length of at least approximately 6 mm and a diameter of at least approximately 1.3 mm.

6. (Previously Presented) Drill according to claim 3, wherein the abrasive material of the pin projection consists essentially of diamond dust.

7. (Previously Presented) Drill according to claim 3, wherein the pin projection is rounded at the tip.

8. (Currently Amended) Drill according to claim 3, wherein the diameter of the drill part is at least approximately 2 mm and the total length of the drill part together with the pin projection is at least approximately 16 mm.

9. (Canceled)

10. (Previously Presented) Drill according to claim 3, wherein the at least one helical groove of the drill part is arranged to carry away drilled material.

11. (Previously Presented) Drill according to claim 3, wherein the at least one helical groove of the drill part comprises a plurality of helical grooves.

12. (Previously Presented) Drill according to claim 11, wherein the at least one helical groove of the pin projection comprises a plurality of helical grooves.

13. (Previously Presented) Drill according to claim 3, wherein the at least one helical groove of the pin projection comprises a plurality of helical grooves.

14. (Previously Presented) Drill according to claim 3, wherein the pin projection is integrally attached to the drill part.

15. (Previously Presented) Drill according to claim 3, wherein the transition has an angle of  $90^\circ$ .

16. (Canceled)

17. (Previously Presented) Drill according to claim 3, wherein the at least one helical groove of the pin projection extends to a respective one of the at least one helical groove on the drill part and such that it traverses the taper between the drill part and the pin projection.

18. (Canceled)

19. (Canceled)

20. (Previously Presented) Drill according to claim 3, wherein the pin projection includes a cylindrical sheath and the abrasive material is arranged on the cylindrical sheath.